

Title (en)

Method and apparatus for positioning blocking elements in a collimator

Title (de)

Verfahren und Vorrichtung zur Positionierung von Sperrelementen

Title (fr)

Méthode et appareillage de positionnement d'éléments de blocage dans un collimateur

Publication

**EP 0798017 A3 19990331 (EN)**

Application

**EP 97104184 A 19970312**

Priority

US 62372496 A 19960329

Abstract (en)

[origin: US5654996A] A method and an apparatus for positioning blocking elements (310, 320) in a collimator (4) is provided. The collimator (4) is located in a radiation emitting device (2) delivering a radiation beam (1) to an object (13). The collimator (4) includes a plurality of movable blocking elements (310, 320). The blocking elements (310, 320) are movable for defining an opening (330) for the radiation beam (1). After forming an opening (330) with the blocking elements (310, 320), a calibration tool (400) having a cross bar (410) is inserted in the opening (330) and the cross bar (410) is moved to a defined first position (500) in the opening (408) of the calibration tool. A group of blocking elements is then moved to the cross bar (410). The cross bar (410) is then moved to a defined second position (510) in the opening (408) and the a group of blocking elements is moved to the cross bar (410). The beformentioned steps are repeated until the collimator is calibrated or all the blocking elements (310, 320) are positioned.

IPC 1-7

**A61N 5/10**

IPC 8 full level

**G21K 1/04** (2006.01); **A61N 5/10** (2006.01); **G21K 5/00** (2006.01)

CPC (source: EP US)

**A61N 5/1042** (2013.01 - EP US)

Citation (search report)

- [A] US 4739173 A 19880419 - BLOSSER GABE F [US], et al
- [A] US 4794629 A 19881227 - PASTYR OTTO [DE], et al

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DE FR GB

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**US 5654996 A 19970805**; CA 2201180 A1 19970929; DE 69729676 D1 20040805; EP 0798017 A2 19971001; EP 0798017 A3 19990331; EP 0798017 B1 20040630; JP H1020098 A 19980123

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